Under Paperwork Reduction Act of 1995.	no persons are required to respond to a collection	PTO/SB/21 (08-03) Approved for use through 07/31/2006. OMB 0651-0031 nt and Trademark Office; U.S. DEPARTMENT OF COMMERCE on of information unless it displays a valid OMB control number.
PATENT B. T. P. A. N. S. MITT A.	Application Number	101720, 372
INAMOMITTAL	Filing Date	November 24,2003
FORM	First Named Inventor	Ghiron
(to be used for all correspondence after initial fi	(ing) Art Unit	_
	Examiner Name	_
Total Number of Pages in This Submission	Attorney Docket Number	510-0107
	ENCLOSURES (Check all that	t apply)
Fee Transmittal Form	Drawing(s)	After Allowance communication to Group
Fee Attached	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences
Amendment/Reply	Petition	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
	Petition to Convert to a	Proprietary Information
After Final	Provisional Application Power of Attorney, Revocation	
Affidavits/declaration(s)	Change of Correspondence Addre	ess Status Letter Other Enclosure(s) (please
Extension of Time Request	Terminal Disclaimer	Identify below):
Express Abandonment Request	Request for Refund	1. Return receipt partcard
Information Disclosure Statement	CD, Number of CD(s)	
Certified Copy of Priority Document(s)	Remarks	
Response to Missing Parts/ Incomplete Application		
Response to Missing Parts		•
under 37 CFR 1.52 or 1.53		
· •		
SIGNAT	URE OF APPLICANT, ATTORN	EY, OR AGENT
Firm or Individual name	Koba	
Signature Condu C	Kalan	
Date 2 24 04	s. you	
1 2/07/07		
CE	RTIFICATE OF TRANSMISSION	N/MAILING
I hereby certify that this correspondence is be sufficient postage as first class mail in an envethe date shown below.	ing facsimile transmitted to the USPTO or elope addressed to: Commissioner for Pat	deposited with the United States Postal Service with tents, P.O. Box 1450, Alexandria, VA 22313-1450 on
Typed or printed name Wendy	W. Koba	
	by W. Koloa	Date 22404

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Inventor

Margaret Ghiron

Case:

SIO-0107

Serial No.

10/720,372

Group Art Unit

Filing Date

November 24, 2003

Title:

Beam Shaping and Practical Methods of Reducing Loss Associated With

Mating External Sources and Optics to Thin Silicon Waveguides

COMMISSIONER OF PATENTS

PO BOX 1450

ALEXANDRIA, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement is submitted for consideration in the above-identified application.

NO FEE IS REQUIRED.

Respectfully,

Wendy W. Koba, Esq.

Reg. No. 30509

Attorney for Applicant

Date: 2/24/04

Att: - Information Disclosure Statement

PTO/SB/08a (05-03)

Approved for use through 04/30/2003, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

erwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/120, 372

Filing Date November 24, 2003

First Named Inventor Ghicon

Art Unit Examiner Name

(Use as many sheets as necessary) Examiner Name

Sheet of Attorney Docket Number SIO-0107

U. S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (F known)	Publication MM-0D-Y			ame of Patentee or ant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear	t
		us. 6654511	11-a5.	2003	De	liwala	1		
		US-		<u> </u>					
		US-			 				
	l	US-			 		+	······································	
		US-					1	<u> </u>	
		US-					┪┈┈		
		US-					+		
		US-					 		
		US-					 		
		US-			 		1		
		US-		············			1		
		US-	······································				 		
		US-			l		1		
		US-					†		
		US-					1		
		US-				*****	1		
		US-					1		
		US-					<u> </u>		
			FOREIGN F	ATENT	DOCL	MENTS			
	A.,								
Examiner Initials*	Cite Foreign Patent Docum		MM-DD-					Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁸ (# known)						or Relevant Figures Appear	
			•••••		••••••	***************************************	•••••	•••••••••••••	
			•••••			••••			
				<u> </u>		•••••	••••••		
			***************************************	•••••	•••••••	••••••	••••••		
			·	<u> </u>				L	Ь

Examiner	Date	
Signature	Considered	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			Complete if Known			
			Application Number	10/720,372		
INFORMATION DISCLOSURE			Filing Date	November 24, 2003		
STATEMENT BY APPLICANT		First Named Inventor	Ghiron			
			Art Unit	-		
(Use as many sheets as necessary)			Examiner Name	_		
Sheet	·	of	Attorney Docket Number	SIO-0107		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
		I.A. COLDREN (PI), Y.A. AKULOVA, E.M. STRZELECKA, B.J. ThIBEAUL J.C. KO and D.A. LOUDERBACK, "VCSEL ARRAY PACKAGING FOR FREE SPACE INTER CONNECTS", UNIVERSITY OF CA. Santa Barbera, CA; Report 1996-97 for MICRO PRJECT 96-050	t) 		
		P.K.TIEN, R. ULRICH; "Theory of Prism-Film Coupler and Thin-Film Light Guides", Journal of the Optical Society of America, vol. 60, number 10, October 1970			
		R.ULRICH; "Theory of the Prism-Film Coupler by Plane-Wave Analysis", Journal of the Optical Society of America, Vol. 60, number 10, october 1970			
		HIROSHI NISHIHARA; MASA MITSU HARUNA, TOSHIAKI SUHARA, "Optical Integrated Circuits", 1905; Ohmsha, Ltd.			
		R.ULRICH, "Optimum Excitation of Optical Jurface Waves", Journal of the Optical Jociety of America, Yol. 61, No.11, pp. 1467-1477, Nov. 1971.			

		<u> </u>	
Examiner	Date		
Signature	Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on 22404 Date

Signature

Wendy W. Kobo

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

- 1. Form PTO[SB|08a
- 2. Form 400 SB 086
- 3. IDS transmittal

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.